



Electricity Data Model Upgrade Report

AEMO Electricity Data Model v5.7.0 Oracle

31/03/2026

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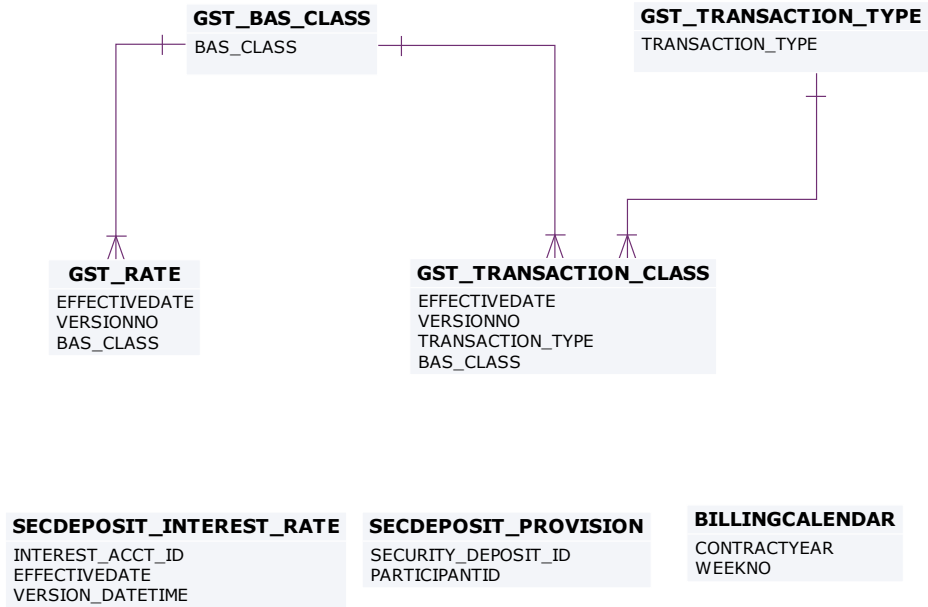
1 Package: BILLING_CONFIG

Name BILLING_CONFIG
Comment Configuration data for the Billing Process

1.1 List of tables

Name	Comment
BILLINGCALENDAR	BILLINGCALENDAR sets out the billing calendar for the year, with week number 1 starting on 1 January. BILLINGCALENDAR advises preliminary and final statement posting date and corresponding settlement for each billing week.

1.2 Diagram: Entities: Billing Config



1.3 Table: BILLINGCALENDAR

<i>Name</i>	BILLINGCALENDAR
<i>Comment</i>	BILLINGCALENDAR sets out the billing calendar for the year, with week number 1 starting on 1 January. BILLINGCALENDAR advises preliminary and final statement posting date and corresponding settlement for each billing week.

1.3.1 Description

BILLINGCALENDAR is public data, and is available to all participants.

Source

Infrequently, only when inserting billing weeks for a future contractyear.

Volume

52-53 records inserted per contractyear

1.3.2 Notes

Name	Comment	Value
Visibility		Public

1.3.3 Primary Key Columns

Name
CONTRACTYEAR
WEEKNO

1.3.4 Index Columns

Name
LASTCHANGED

1.3.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	AEMO Contract Year number starting in week containing 1st January
WEEKNO	NUMBER(3,0)	X	Week no within the contract year. Week no 1 is the week containing 1st January
STARTDATE	DATE		Start Date of week
ENDDATE	DATE		End Date of week
PRELIMINARYSTATEMENTDATE	DATE		Preliminary Statement Date
FINALSTATEMENTDATE	DATE		Final Statement Date
PAYMENTDATE	DATE		Payment Date
LASTCHANGED	DATE		Last date and time record changed
REVISION1_STATEMENTDATE	DATE		Revision 1 Statement Date for the billing week.
REVISION2_STATEMENTDATE	DATE		Revision 2 Statement Date for the billing week.
REVISION0_STATEMENTDATE	DATE		Revision 0 Statement Date for the billing week.

2 Package: BILLING_RUN

Name BILLING_RUN

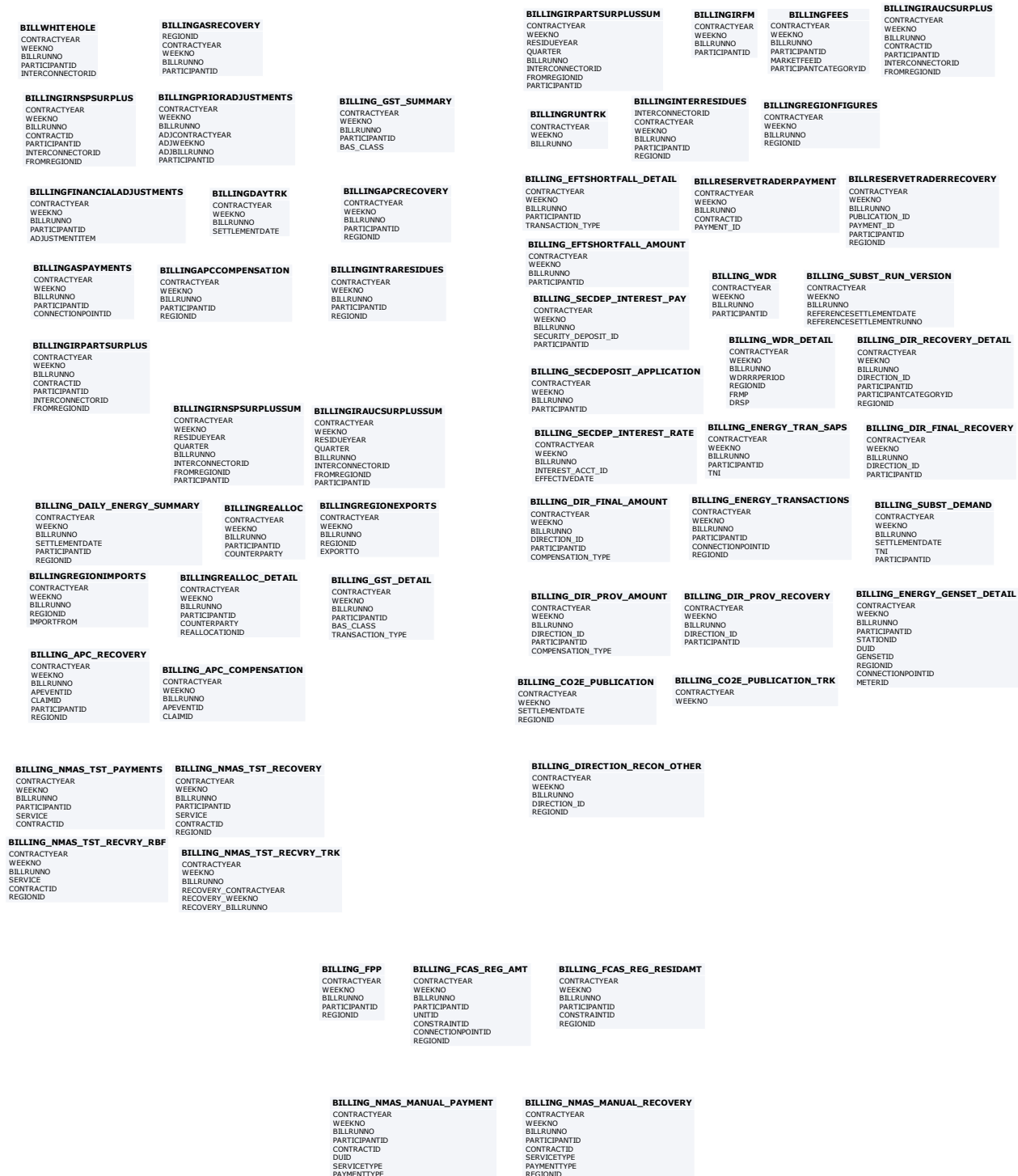
Comment Results from a published Billing Run. The settlement data and billing run data are updated daily between 6am and 8am for AEMO's prudential processes. In a normal week, AEMO publishes one PRELIM, one FINAL and two REVISION runs in addition to the daily runs.

Each billing run is uniquely identified by contract year, week no and bill run no.

2.1 List of tables

Name	Comment
BILLINGRUNTRK	BILLINGRUNTRK identifies the Statement type (i.e. Status of PRELIM, FINAL, REVISE) and date of the BillRunNo posted, per WeekNo. This provides a further extension of tracking data from the BILLINGDAYTRK table.

2.2 Diagram: Entities: Billing Run



2.3 Table: BILLINGRUNTRK

<i>Name</i>	BILLINGRUNTRK
<i>Comment</i>	BILLINGRUNTRK identifies the Statement type (i.e. Status of PRELIM, FINAL, REVISE) and date of the BillRunNo posted, per WeekNo. This provides a further extension of tracking data from the BILLINGDAYTRK table.

2.3.1 Description

BILLINGRUNTRK is public data, and is available to all participants.

Source

BILLINGRUNTRK is populated by the posting of a billing run.

Volume

An indicative maximum is one record inserted per billing run, or 11 records inserted per week.

2.3.2 Notes

Name	Comment	Value
Visibility		Public

2.3.3 Primary Key Columns

Name
 BILLRUNNO
 CONTRACTYEAR
 WEEKNO

2.3.4 Index Columns

Name
 LASTCHANGED

2.3.5 Content

Name	Data Type	Mandatory	Comment
CONTRACTYEAR	NUMBER(4,0)	X	Year of the run
WEEKNO	NUMBER(3,0)	X	Week number of the run
BILLRUNNO	NUMBER(3,0)	X	Sequential run number
STATUS	VARCHAR2(6)		The billing run type, PRELIM, FINAL, REVISE or INTERIM
ADJ_CLEARED	VARCHAR2(1)		Flag
AUTHORISEDDATE	DATE		null, since not used
AUTHORISEDBY	VARCHAR2(10)		null, since not used
POSTDATE	DATE		When the results were posted
POSTBY	VARCHAR2(10)		Who posted the results
LASTCHANGED	DATE		Last date and time record changed
RECEIPTPOSTDATE	DATE		null, since not used
RECEIPTPOSTBY	VARCHAR2(10)		null, since not used
PAYMENTPOSTDATE	DATE		When the payment was posted
PAYMENTPOSTBY	VARCHAR2(10)		Who posted the payment
SHORTFALL	NUMBER(16,6)		Payment shortfall amount
MAKEUP	NUMBER(15,5)		Not Used
REVISIONINDEX	NUMBER(3,0)		Revision Run Type

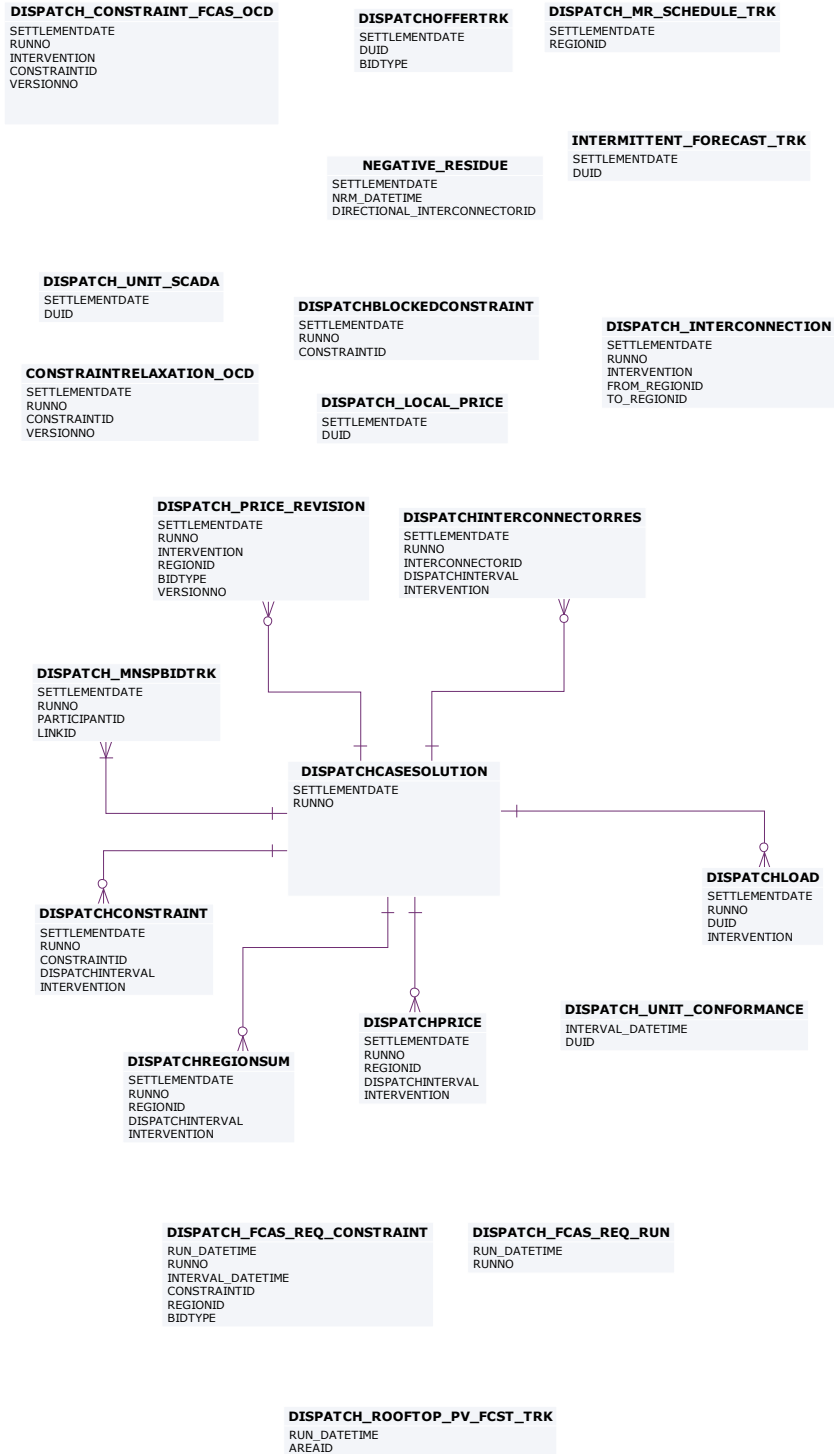
3 Package: DISPATCH

<i>Name</i>	DISPATCH
<i>Comment</i>	Results from a published Dispatch Run

3.1 List of tables

Name	Comment
NEGATIVE_RESIDUE	Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon

3.2 Diagram: Entities: Dispatch



3.3 Table: NEGATIVE_RESIDUE

<i>Name</i>	NEGATIVE_RESIDUE
<i>Comment</i>	Shows the inputs provided to the Negative Residue Constraints in the Dispatch horizon

3.3.1 Notes

Name	Comment	Value
Visibility		Public

3.3.2 Primary Key Columns

Name

DIRECTIONAL_INTERCONNECTORID

NRM_DATETIME

SETTLEMENTDATE

3.3.3 Index Columns

Name

SETTLEMENTDATE

NRM_DATETIME

DIRECTIONAL_INTERCONNECTORID

3.3.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	date	X	Dispatch Interval
NRM_DATETIME	date	X	The time that residue information is processed
DIRECTIONAL_INTERCONNECTOR ID	varchar2(30)	X	Negative residue related direction interconnector id
NRM_ACTIVATED_FLAG	number(1,0)		Is 1 if negative residue process is on, else is 0
CUMUL_NEGRESIDUE_AMOUNT	number(15,5)		Negative residue triggering amount
CUMUL_NEGRESIDUE_PREV_TI	number(15,5)		Previous trading interval cumulative negative residue amount
NEGRESIDUE_CURRENT_TI	number(15,5)		Current trading interval negative residue amount
NEGRESIDUE_PD_NEXT_TI	number(15,5)		The cumulative negative residue for the next trading interval (PD)
PRICE_REVISION	varchar2(30)		SubjectToReview, Indeterminate, Accepted or Rejected
PREDISPATCHSEQNO	varchar2(20)		Predispatch sequence number
EVENT_ACTIVATED_DI	date		The starting DI when NRM event is active
EVENT_DEACTIVATED_DI	date		The finishing DI when NRM event stops being active.
DI_NOTBINDING_COUNT	number(2,0)		Count of the number of DIs not binding by this constraint
DI_VIOLATED_COUNT	number(2,0)		Count of the number of DIs violated by this constraint
NRMCONSTRAINT_BLOCKED_FLAG	number(1,0)		1 if constraint is blocked, else 0
NRM_LOOP_FLAG	NUMBER(1,0)		NRM Loop Flag controls monitoring behaviour: 0 = Individual NRM monitoring suppressed (loop operational with aggregate IRSR >= 0) 1 = Individual NRM monitoring active (applies to: loop not operational, aggregate loop IRSR < 0, or non-loop interconnection) This flag is evaluated and set for ALL

			interconnections in each dispatch interval
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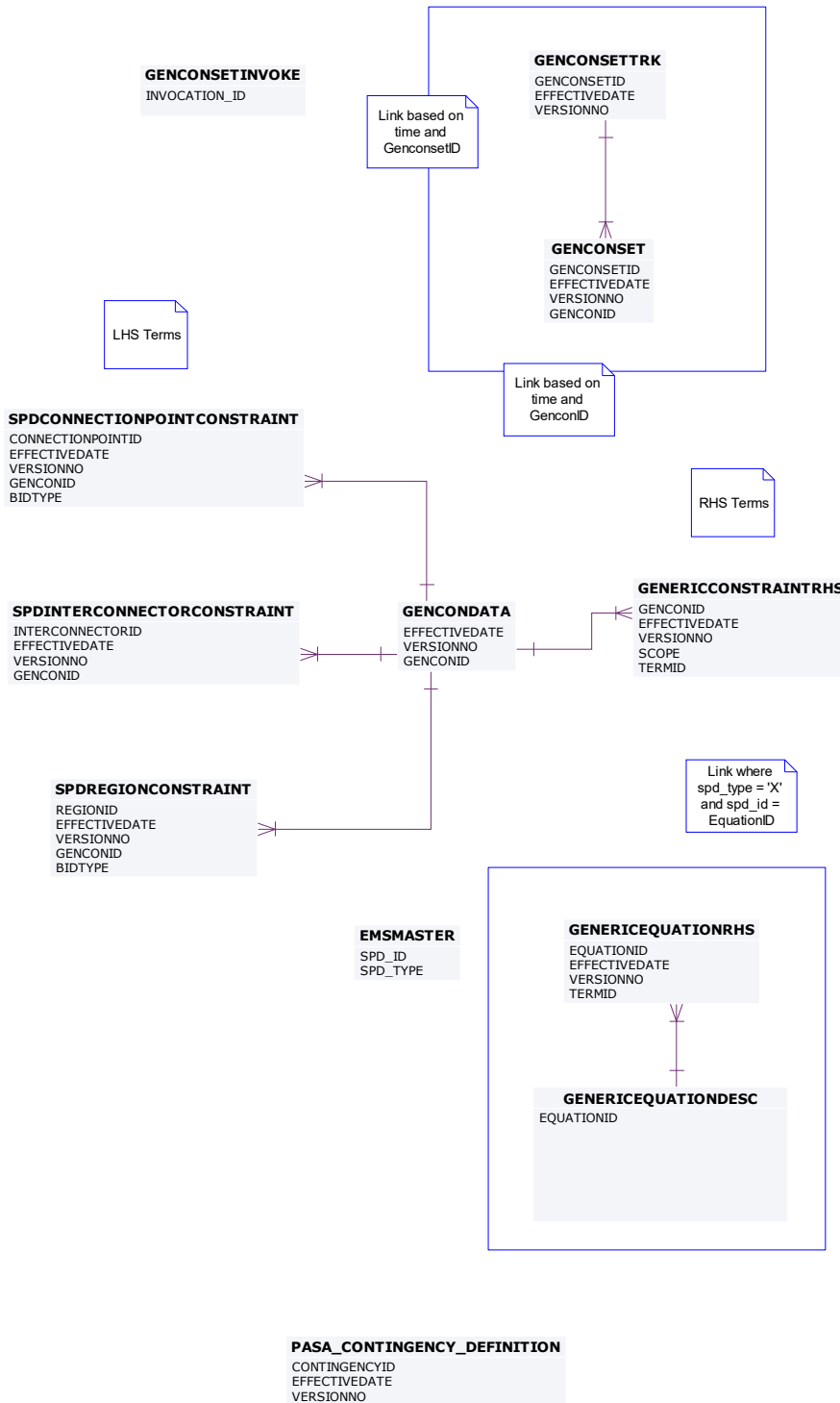
4 Package: **GENERIC_CONSTRAINT**

<i>Name</i>	GENERIC_CONSTRAINT
<i>Comment</i>	Generic Constraint Standing Data and Invocations

4.1 List of tables

Name	Comment
GENCONDATA	GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, predispach and dispatch. Fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes.
PASA_CONTINGENCY_DEFINITION	PASA_CONTINGENCY_DEFINITION shows the contingency details used by PD and ST PASA.

4.2 Diagram: Entities: Generic Constraints



4.3 Table: GENCONDATA

<i>Name</i>	GENCONDATA
<i>Comment</i>	<p>GENCONDATA sets out the generic constraints contained within a generic constraint set invoked in PASA, predispach and dispatch.</p> <p>Fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes.</p>

4.3.1 Description

GENCONDATA is a public data, and is available to all participants.

Source

GENCONDATA updates as constraint details are updated by AEMO.

Note

The following fields enable selective application of invoked constraints in the Dispatch, Predispach, ST PASA or MT PASA processes:

- DISPATCH
- PREDISPATCH
- STPASA
- MTPASA

The flag P5MIN_SCOPE_OVERRIDE indicates for each constraint whether 5MPD makes use of the default Dispatch (P5MIN_SCOPE_OVERRIDE = NULL) or Pre-dispatch (P5MIN_SCOPE_OVERRIDE = 'PD') style RHS definition.

GENERICCONSTRAINTRHS stores generic constraint RHS definitions. Constraints without records in GENERICCONSTRAINTRHS only make use of the static RHS defined in the CONSTRAINTVALUE column in GENCONDATA .

The default value for the P5MIN_SCOPE_OVERRIDE column is NULL, so constraints existing before implementing the column use the DISPATCH RHS definition by default, as was the case before the implementation of the change.

4.3.2 Notes

Name	Comment	Value
Visibility		Public

4.3.3 Primary Key Columns

Name
EFFECTIVEDATE

GENCONID

VERSIONNO

4.3.4 Index Columns

Name

LASTCHANGED

4.3.5 Content

Name	Data Type	Mandatory	Comment
EFFECTIVEDATE	DATE	X	Effective date of this constraint
VERSIONNO	NUMBER(3,0)	X	Version with respect to the effective date
GENCONID	VARCHAR2(20)	X	Unique ID for the constraint
CONSTRAINTTYPE	VARCHAR2(2)		The logical operator (=, >=, <=)
CONSTRAINTVALUE	NUMBER(16,6)		the RHS value used if there is no dynamic RHS defined in GenericConstraintRHS
DESCRIPTION	VARCHAR2(256)		Detail of the plant that is not in service
STATUS	VARCHAR2(8)		Not used
GENERICCONSTRAINTWEIGHT	NUMBER(16,6)		The constraint violation penalty factor
AUTHORISEDDATE	DATE		Date record authorised
AUTHORISEDBY	VARCHAR2(15)		User authorising record
DYNAMICRHS	NUMBER(15,5)		Not used
LASTCHANGED	DATE		Last date and time record changed
DISPATCH	VARCHAR2(1)		Flag: constraint RHS used for Dispatch? 1-used, 0-not used
PREDISPATCH	VARCHAR2(1)		Flag to indicate if the constraint RHS is to be used for PreDispatch, 1-used, 0-not used
STPASA	VARCHAR2(1)		Flag to indicate if the constraint RHS is to be used for ST PASA, 1-used, 0-not used
MTPASA	VARCHAR2(1)		Flag to indicate if the constraint RHS is to be used for MT PASA, 1-used, 0-not used
IMPACT	VARCHAR2(64)		The device(s) that is affected by the constraint e.g. Interconnector, Generator(s) or Cutset
SOURCE	VARCHAR2(128)		The source of the constraint formulation
LIMITTYPE	VARCHAR2(64)		The limit type of the constraint e.g. Transient Stability, Voltage Stability
REASON	VARCHAR2(256)		The contingency or reason for the constraint

MODIFICATIONS	VARCHAR2(256)		Details of the changes made to this version of the constraint
ADDITIONALNOTES	VARCHAR2(256)		Extra notes on the constraint
P5MIN_SCOPE_OVERRIDE	VARCHAR2(2)		Extra notes on the constraint: NULL = Dispatch RHS applied in 5MPD, PD = PreDispatch RHS applied in 5MPD
LRC	VARCHAR2(1)		Flag to indicate if PASA LRC run uses the constraint; 1-used, 0-not used
LOR	VARCHAR2(1)		Flag to indicate if PASA LOR run uses the constraint; 1-used, 0-not used
FORCE_SCADA	NUMBER(1,0)		Flags Constraints for which NEMDE must use "InitialMW" values instead of "WhatOfInitialMW" for Intervention Pricing runs
SYSTEMSECURITY	VARCHAR2(1)		Flags constraint is used in System Security Management (SSM) processes. 1-Used(in SSM only),0-not used
SSM_REGIONID	VARCHAR2(20)		Region constraint relates to, in the format <REGIONID>_xxxx where xxxx is descriptive text
SSM_GROUPID	VARCHAR2(40)		Related constraints processed together in optimiser.

4.4 Table: PASA_CONTINGENCY_DEFINITION

<i>Name</i>	PASA_CONTINGENCY_DEFINITION
<i>Comment</i>	PASA_CONTINGENCY_DEFINITION shows the contingency details used by PD and ST PASA.

4.4.1 Notes

Name	Comment	Value
Visibility		Public

4.4.2 Primary Key Columns

Name
CONTINGENCYID
EFFECTIVEDATE
VERSIONNO

4.4.3 Content

Name	Data Type	Mandatory	Comment
CONTINGENCYID	VARCHAR2(20)	X	The contingency identifier
EFFECTIVEDATE	DATE	X	The effective date for this contingency
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
CONTINGENCYDESCRIPTION	VARCHAR2(100)		The description for this contingency
LASTCHANGED	DATE		Date time this record was created

5 Package: PARTICIPANT_REGISTRATION

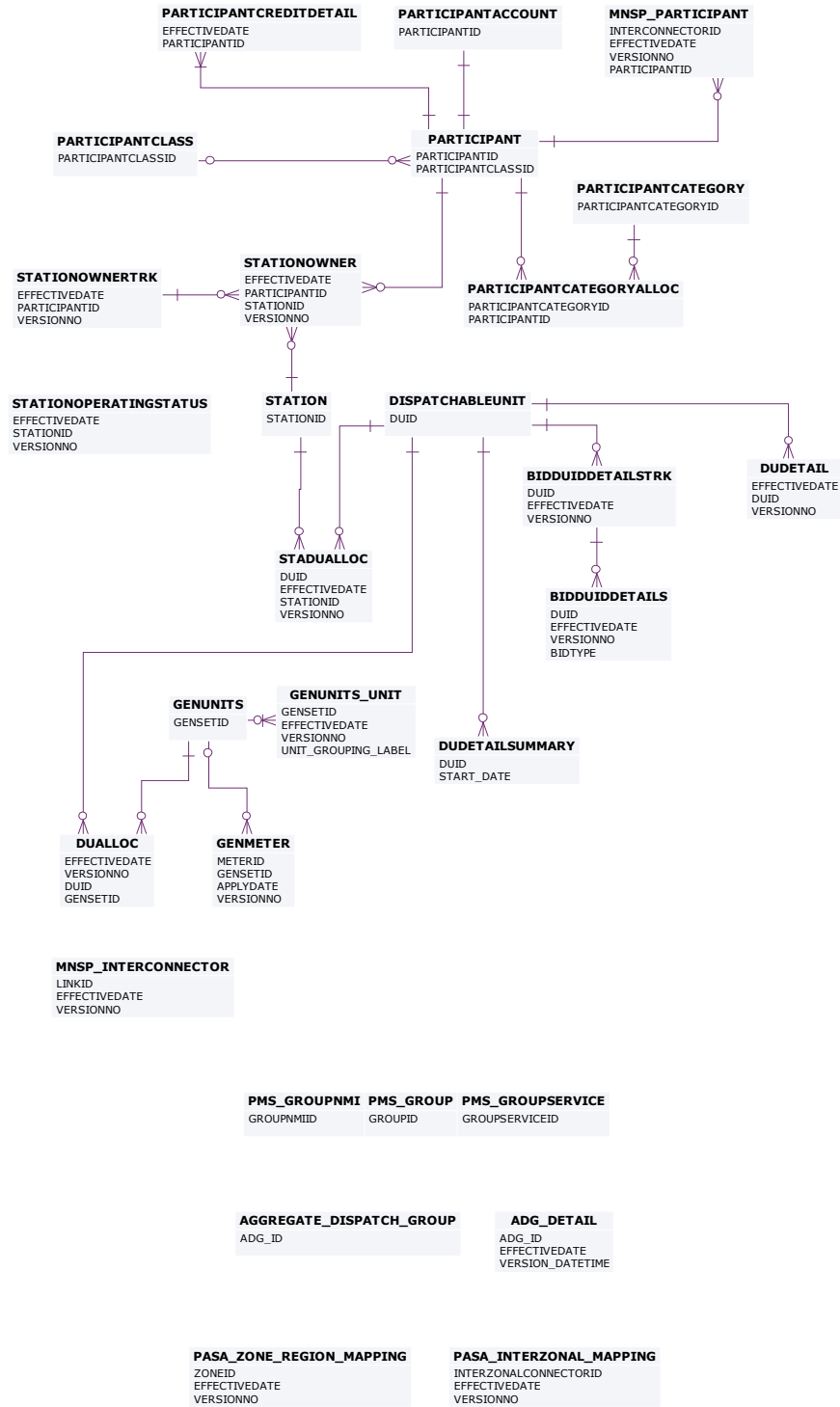
Name PARTICIPANT_REGISTRATION

Comment Participant registration data

5.1 List of tables

Name	Comment
PASA_INTERZONAL_MAPPING	PASA_INTERZONAL_MAPPING shows inter-zonal mapping details, including operating status.
PASA_ZONE_REGION_MAPPING	PASA_ZONE_REGION_MAPPING shows zone to region mapping details and provide the Region Reference Zone information.

5.2 Diagram: Entities: Participant Registration



5.3 Table: PASA_INTERZONAL_MAPPING

<i>Name</i>	PASA_INTERZONAL_MAPPING
<i>Comment</i>	PASA_INTERZONAL_MAPPING shows inter-zonal mapping details, including operating status.

5.3.1 Notes

Name	Comment	Value
Visibility		Public

5.3.2 Primary Key Columns

Name
EFFECTIVEDATE
INTERZONALCONNECTORID
VERSIONNO

5.3.3 Content

Name	Data Type	Mandatory	Comment
INTERZONALCONNECTORID	VARCHAR2(50)	X	The identifier for this Interzonal connector
EFFECTIVEDATE	DATE	X	Effective date of this InterZonal Mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
FROMZONEID	VARCHAR2(30)		The From Zoneld for this Interzonal connector
TOZONEID	VARCHAR2(30)		The To Zoneld for this Interzonal connector
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

5.4 Table: PASA_ZONE_REGION_MAPPING

<i>Name</i>	PASA_ZONE_REGION_MAPPING
<i>Comment</i>	PASA_ZONE_REGION_MAPPING shows zone to region mapping details and provide the Region Reference Zone information.

5.4.1 Notes

Name	Comment	Value
Visibility		Public

5.4.2 Primary Key Columns

Name
EFFECTIVEDATE
VERSIONNO
ZONEID

5.4.3 Content

Name	Data Type	Mandatory	Comment
ZONEID	VARCHAR2(30)	X	Zone identifier
EFFECTIVEDATE	DATE	X	Effective date of this Zone-Region Mapping
VERSIONNO	NUMBER(3,0)	X	Version number for the Effective date
REGIONID	VARCHAR2(20)		Region in which this Zone belongs
IS_RRN_ZONE	VARCHAR2(10)		YES or NO/<Blank>. LORCONDITION is only reported for supply deficits in a Zone that contains the Regional Reference Node
OPERATINGSTATUS	VARCHAR2(20)		Active or inactive indicator
LASTCHANGED	DATE		Date time this record was created

6 Package: SETTLEMENT_DATA

<i>Name</i>	SETTLEMENT_DATA
<i>Comment</i>	Results from a published Settlements Run. The settlement data and billing run data are updated daily between 6am and 8am for AEMO's prudential processes. In a normal week, AEMO publishes one PRELIM, one FINAL and two REVISION runs in addition to the daily runs.

6.1 List of tables

Name	Comment
SET_NMAS_RECOVERY	SET_NMAS_RECOVERY sets out the NSCAS recovery data for payments other than testing This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.
SET_NMAS_RECOVERY_RBF	SET_NMAS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

6.3 Table: SET_NMAS_RECOVERY

<i>Name</i>	SET_NMAS_RECOVERY
<i>Comment</i>	SET_NMAS_RECOVERY sets out the NSCAS recovery data for payments other than testing This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

6.3.1 Notes

Name	Comment	Value
Visibility		Private

6.3.2 Primary Key Columns

Name

CONTRACTID

PARTICIPANTID

PAYMENTTYPE

PERIODID

REGIONID

SERVICE

SETTLEMENTDATE

VERSIONNO

6.3.3 Index Columns

Name

LASTCHANGED

6.3.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement run number
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
PARTICIPANTID	VARCHAR(20)	X	The Participant from whom the amount is recovered
SERVICE	VARCHAR2(20)	X	The type of NSCAS service incl ISF Services. Current value values are: - REACTIVE - LOADSHED - RESTART - INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2
CONTRACTID	VARCHAR2(20)	X	The NMAS/ISF Contract Id
PAYMENTTYPE	VARCHAR(20)	X	The type of payment being recovered. Valid values are: - AVAILABILITY - ENABLEMENT - COMPENSATION
REGIONID	VARCHAR(10)	X	The region from where the amount is recovered
RBF	NUMBER(18,8)		The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	NUMBER(18,8)		The total Payment Amount to recover from all benefitting regions
PARTICIPANT_ENERGY	NUMBER(18,8)		The Participant energy in MWh for the period. NULL Value for Settlement Dates post IESS rule effective date.
REGION_ENERGY	NUMBER(18,8)		The RegionId energy in MWh for the period. NULL Value for Settlement Dates post IESS rule effective date.
RECOVERY_AMOUNT	NUMBER(18,8)		The Total recovery amount for the period for the PARTICIPANTID and REGIONID. For Settlement dates prior to the IESS rule effective date Sum of RECOVERY_AMOUNT_CUSTOMER + RECOVERY_AMOUNT_GENERATOR and Post

			IESS it is sum of RECOVERYAMOUNT_ACE + RECOVERYAMOUNT_ASOE.
LASTCHANGED	DATE		The Last Updated date and time
PARTICIPANT_GENERATION	NUMBER(18,8)		Participant Generator Energy in the benefitting region. NULL Value for Settlement Dates post IESS rule effective date.
REGION_GENERATION	NUMBER(18,8)		The generator energy in the benefitting region. NULL Value for Settlement Dates post IESS rule effective date.
RECOVERY_AMOUNT_CUSTOMER	NUMBER(18,8)		The recovery amount allocated to customers. NULL Value for Settlement Dates post IESS rule effective date.
RECOVERY_AMOUNT_GENERATOR	NUMBER(18,8)		The recovery amount allocated to generators. NULL Value for Settlement Dates post IESS rule effective date.
PARTICIPANT_ACE_MWH	NUMBER(18,8)		The ACE MWh value for the Participant used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
REGION_ACE_MWH	NUMBER(18,8)		The Regional ACE MWh value used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
PARTICIPANT_ASOE_MWH	NUMBER(18,8)		The ASOE MWh value for the Participant used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
REGION_ASOE_MWH	NUMBER(18,8)		The Regional ASOE MWh value used in the Recovery Amount Calculation. NULL Value for Settlement Dates prior to the IESS rule effective date.
RECOVERYAMOUNT_ACE	NUMBER(18,8)		The Recovery dollar amount for the Participant for the NMAS Contract Id calculated using the ACE MWh values for eligible services. NULL Value for Settlement Dates prior to the IESS rule effective date.
RECOVERYAMOUNT_ASOE	NUMBER(18,8)		The Recovery dollar amount for the Participant for the NMAS Contract Id calculated using the ASOE_MWh values for eligible services. NULL Value for Settlement Dates prior to the IESS rule effective date.

6.4 Table: SET_NMAS_RECOVERY_RBF

<i>Name</i>	SET_NMAS_RECOVERY_RBF
<i>Comment</i>	SET_NMAS_RECOVERY_RBF publishes the RBF for NSCAS non testing payments on a half hourly basis. This Table may also be used for NSCAS and Type 1 transitional services procured by AEMO under the ISF framework during 2025 and prior to the implementation of all system changes. During this time descriptions in these tables may not be correct.

6.4.1 Notes

Name	Comment	Value
Visibility		Public

6.4.2 Primary Key Columns

Name

CONTRACTID

PAYMENTTYPE

PERIODID

REGIONID

SERVICE

SETTLEMENTDATE

VERSIONNO

6.4.3 Index Columns

Name

LASTCHANGED

6.4.4 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Settlement Date
VERSIONNO	NUMBER(3,0)	X	Settlement run number
PERIODID	NUMBER(3,0)	X	Settlements Trading Interval.
SERVICE	VARCHAR2(20)	X	The type of NSCAS service incl ISF Services. Current value values are: - REACTIVE - LOADSHED - RESTART - INERTIA, SYSTEM STRENGTH, TYPE1, TYPE2
CONTRACTID	VARCHAR2(20)	X	The NMAS/ISF Contract Id
PAYMENTTYPE	VARCHAR(20)	X	The type of payment being recovered. Valid values are: - AVAILABILITY - ENABLEMENT - COMPENSATION
REGIONID	VARCHAR(10)	X	The region from where the amount is recovered
RBF	NUMBER(18,8)		The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	NUMBER(18,8)		The total Payment Amount to recover from all benefitting regions
RECOVERY_AMOUNT	NUMBER(18,8)		The Total recovery amount for the period for the REGIONID
LASTCHANGED	DATE		The Last Updated date and time

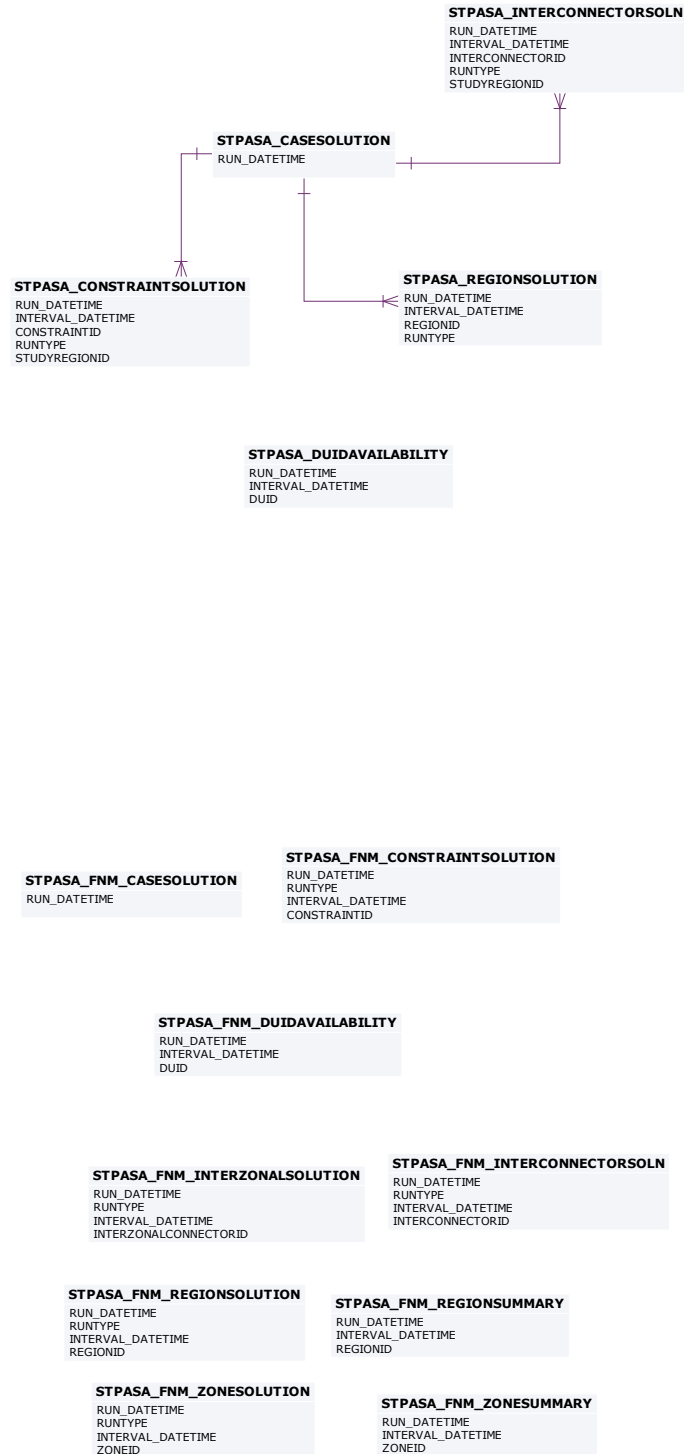
7 Package: STPASA_SOLUTION

<i>Name</i>	STPASA_SOLUTION
<i>Comment</i>	Results from a published Short Term PASA Run

7.1 List of tables

Name	Comment
STPASA_FNM_CASESOLUTION	STPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.
STPASA_FNM_CONSTRAINTSOLUTION	STPASA_FNM_CONSTRAINTSOLUTION shows the manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.
STPASA_FNM_DUIDAVAILABILITY	STPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and given Recall Period for all scheduled
STPASA_FNM_INTERCONNECTORSOLN	STPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.
STPASA_FNM_INTERZONALSOLUTION	STPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.
STPASA_FNM_REGIONSOLUTION	STPASA_FNM_REGIONSOLUTION shows regional demand, cleared values of resources, spare capacity, losses for each run type and intervals.
STPASA_FNM_REGIONSUMMARY	STPASA_FNM_REGIONSUMMARY shows the summary of STPASA outcome for each region.
STPASA_FNM_ZONESOLUTION	STPASA_FNM_ZONESOLUTION shows zone demand, cleared value of resources, spare capacity, losses for each run type and interval.
STPASA_FNM_ZONESUMMARY	STPASA_FNM_ZONESUMMARY shows the summary of STPASA outcome for each zone.
STPASA_REGIONSOLUTION	STPASA_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are no longer reported from 31 July 2025.

7.2 Diagram: Entities: ST PASA Solution



7.3 Table: STPASA_FNM_CASESOLUTION

<i>Name</i>	STPASA_FNM_CASESOLUTION
<i>Comment</i>	STPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.

7.3.1 Notes

Name	Comment	Value
Visibility		Public

7.3.2 Primary Key Columns

Name
RUN_DATETIME

7.3.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
LORCONDITION	NUMBER(1,0)		LORCONDITION is only set if supply deficit exists in a Zone that contains the Regional Reference Node LORCONDITION indicates the most severe condition for the case: LORCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
DEFICITCONDITION	NUMBER(1,0)		DEFICITCONDITION is only set if supply deficit exists in a Zone that does NOT contain the Regional Reference Node DEFICITCONDITION indicates the most severe condition for the case: DEFICITCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if

			deficit in WARNING run, else 0
BASE_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
RELIABILITY_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
WARNING_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
PASAVERSION	VARCHAR2(30)		Version of the PASA solver used to solve this case
LASTCHANGED	DATE		Date time this record was created

7.4 Table: STPASA_FNM_CONSTRAINTSOLUTION

<i>Name</i>	STPASA_FNM_CONSTRAINTSOLUTION
<i>Comment</i>	STPASA_FNM_CONSTRAINTSOLUTION shows the manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.

7.4.1 Notes

Name	Comment	Value
Visibility		Public

7.4.2 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
RUN_DATETIME
RUNTYPE

7.4.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
CONSTRAINTID	VARCHAR2(100)	X	Constraint identifier, either manual constraint (synonymous with GenConID) or thermal constraint created by PASA with format 'BASE_<BranchName>' or '<ContingencyID>_<BranchName>'
MARGINALVALUE	NUMBER(20,5)		Constraint Marginal Value (\$/MW)

VIOLATIONDEGREE	NUMBER(15,5)		Constraint Violation Degree (MW)
LHS	NUMBER(15,5)		Constraint LHS (MW)
RHS	NUMBER(15,5)		Constraint RHS (MW)
LASTCHANGED	DATE		Date time this record was created

7.5 Table: STPASA_FNM_DUIDAVAILABILITY

<i>Name</i>	STPASA_FNM_DUIDAVAILABILITY
<i>Comment</i>	STPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and given Recall Period for all scheduled

7.5.1 Notes

Name	Comment	Value
Visibility		Public

7.5.2 Primary Key Columns

Name
DUID
INTERVAL_DATETIME
RUN_DATETIME

7.5.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
DUID	VARCHAR2(20)	X	NEM Dispatchable Unit Identifier
BID_TRADINGDATE	DATE		Trading Date of the energy bid
BID_OFFERDATETIME	DATE		Date Time that the energy bid was received
GENERATION_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP
GENERATION_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (MW)

GENERATION_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (Hours)
LOAD_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled load or BDU (Load side) (MW)
LOAD_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled load or BDU (Load side) (MW)
LOAD_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled load or BDU (Load side) (Hours)
LASTCHANGED	DATE		Date time this record was created

7.6 Table: STPASA_FNM_INTERCONNECTORSOLN

<i>Name</i>	STPASA_FNM_INTERCONNECTORSOLN
<i>Comment</i>	STPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.

7.6.1 Notes

Name	Comment	Value
Visibility		Public

7.6.2 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

7.6.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
CLEAREDFLOW	NUMBER(12,2)		Cleared Interconnector flow (MW)
LASTCHANGED	DATE		Date time this record was created

7.7 Table: STPASA_FNM_INTERZONALSOLUTION

<i>Name</i>	STPASA_FNM_INTERZONALSOLUTION
<i>Comment</i>	STPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.

7.7.1 Notes

Name	Comment	Value
Visibility		Public

7.7.2 Primary Key Columns

Name
INTERVAL_DATETIME
INTERZONALCONNECTORID
RUN_DATETIME
RUNTYPE

7.7.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERZONALCONNECTORID	VARCHAR2(50)	X	InterzonalConnector Identifier
FROMZONEID	VARCHAR2(30)		FromZoneID of the InterZonalConnectorID
TOZONEID	VARCHAR2(30)		ToZoneID of the InterZonalConnectorID
CLEAREDFLOW	NUMBER(12,2)		Cleared Interzonal flow (MW)

LASTCHANGED	DATE		Date time this record was created
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7.8 Table: STPASA_FNM_REGIONSOLUTION

<i>Name</i>	STPASA_FNM_REGIONSOLUTION
<i>Comment</i>	STPASA_FNM_REGIONSOLUTION shows regional demand, cleared values of resources, spare capacity, losses for each run type and intervals.

7.8.1 Notes

Name	Comment	Value
Visibility		Public

7.8.2 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME
RUNTYPE

7.8.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region Identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY

			run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)

SPARECAPACITY	NUMBER(12,2)		Spare Generation Capacity = $\max(0, \text{Available Generation} - [\text{Cleared Generation} - \text{Cleared Net Interchange}]$ (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)
CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import (negative) (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit (MW) across all loads in the Region = $\text{Max}(0, \text{Initial Demand} - \text{Cleared Demand})$ where $\text{Cleared Demand} = (\text{Cleared Generation} - \text{Cleared Losses} - \text{Cleared Net Interchange})$. Supply Deficit = Supply Deficit_RRN + Supply Deficit_NonRRN
SUPPLYDEFICIT_RRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone that contains the Regional Reference Node (MW)
SUPPLYDEFICIT_NONRRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone(s) that do not contain the Regional Reference Node (MW)
LASTCHANGED	DATE		Date time this record was created

7.9 Table: STPASA_FNM_REGIONSUMMARY

<i>Name</i>	STPASA_FNM_REGIONSUMMARY
<i>Comment</i>	STPASA_FNM_REGIONSUMMARY shows the summary of STPASA outcome for each region.

7.9.1 Notes

Name	Comment	Value
Visibility		Public

7.9.2 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
RUN_DATETIME

7.9.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else

			LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		<p>Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node.</p> <p>DEFICITCONDITION indicates the most severe condition:</p> <p>DEFICITCONDITION = 3 if deficit in BASE run; else</p> <p>DEFICITCONDITION = 2 if deficit in RELIABILITY run; else</p> <p>DEFICITCONDITION = 1 if deficit in WARNING run</p>
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHEDED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHEDED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)

SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

7.10 Table: STPASA_FNM_ZONESOLUTION

<i>Name</i>	STPASA_FNM_ZONESOLUTION
<i>Comment</i>	STPASA_FNM_ZONESOLUTION shows zone demand, cleared value of resources, spare capacity, losses for each run type and interval.

7.10.1 Notes

Name	Comment	Value
Visibility		Public

7.10.2 Primary Key Columns

Name

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

ZONEID

7.10.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node

			<p>LORCONDITION = 3 if deficit in BASE run</p> <p>LORCONDITION = 2 if deficit in RELIABILITY run</p> <p>LORCONDITION = 1 if deficit in WARNING run</p>
DEFICITCONDITION	NUMBER(1,0)		<p>Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit exists and this Zone does not contain the Regional Reference Node.</p> <p>DEFICITCONDITION = 3 if deficit in BASE run</p> <p>DEFICITCONDITION = 2 if deficit in RELIABILITY run</p> <p>DEFICITCONDITION = 1 if deficit in WARNING run</p>
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (increase) to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar

			generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)		Spare generation capacity = $\max(0, \text{Available Generation} - [\text{Cleared Generation} - \text{Cleared Net Interchange}])$ (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit at loads = $\max(0, \text{Initial Demand} - \text{Cleared Demand})$ where Cleared Demand = $(\text{Cleared Generation} - \text{Cleared Losses} - \text{Cleared Net Interchange})$ (MW)
LASTCHANGED	DATE		Date time this record was created

7.11 Table: STPASA_FNM_ZONESUMMARY

<i>Name</i>	STPASA_FNM_ZONESUMMARY
<i>Comment</i>	STPASA_FNM_ZONESUMMARY shows the summary of STPASA outcome for each zone.

7.11.1 Notes

Name	Comment	Value
Visibility		Public

7.11.2 Primary Key Columns

Name
 INTERVAL_DATETIME
 RUN_DATETIME
 ZONEID

7.11.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY

			run; else LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain the Regional Reference Node DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHEDED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHEDED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASAAVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled

			generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

7.12 Table: STPASA_REGIONSOLUTION

<i>Name</i>	STPASA_REGIONSOLUTION
<i>Comment</i>	STPASA_REGIONSOLUTION shows the results of the regional capacity, maximum surplus reserve and maximum spare capacity evaluations for each period of the study. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are no longer reported from 31 July 2025.

7.12.1 Description

STPASA_REGIONSOLUTION is public so is available to all participants.

Source

STPASA_REGIONSOLUTION is updated each STPASA run (i.e every 2 hours).

Volume

Rows per day: 480

Mb per month: 8

7.12.2 Notes

Name	Comment	Value
Visibility		Public

7.12.3 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

RUNTYPE

7.12.4 Index Columns

Name

LASTCHANGED

7.12.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the nominal start time of the run.
INTERVAL_DATETIME	DATE	X	End date time of the interval.
REGIONID	VARCHAR2(10)	X	Region Identifier
DEMAND10	NUMBER(12,2)		10% Probability of Exceedance demand forecast.
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast.
DEMAND90	NUMBER(12,2)		90% Probability of Exceedance demand forecast.
RESERVEREQ	NUMBER(12,2)		Reserve Requirement (MW). This field is not populated after 30 July 2025.
CAPACITYREQ	NUMBER(12,2)		Demand + Reserve requirements (MW). This field is not populated after 30 July 2025.
ENERGYREQDEMAND50	NUMBER(12,2)		Sum of: (Region Demand50)/Period (sum by trading day, entered in first period of trading day, GWh).
UNCONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Non-Energy Constrained plant subjected to restrictions due to network constraints.
CONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Energy Constrained plant subjected to restrictions due to network constraints.
NETINTERCHANGEUNDERSCAPACITY	NUMBER(12,2)		Net export (MW) out of this region in the LOR evaluation. Export if > 0, Import if < 0. This value is the same as LORNETINTERCHANGEUNDERSCAPACITY.
SURPLUSCAPACITY	NUMBER(12,2)		Regional surplus capacity (MW), +/- values indicate surplus/deficit capacity respectively. This value reflects Regional LOR reserve.
SURPLUSRESERVE	NUMBER(12,2)		Regional surplus reserve (MW). This value also reflects Regional LOR reserve. Note: For LOR runs, RESERVEREQ requirement input is not used.

RESERVECONDITION	NUMBER(1,0)		Regional reserve condition from LRC run. This field is not populated after 30 July 2025.
MAXSURPLUSRESERVE	NUMBER(12,2)		Maximum Surplus Reserve (MW) evaluated for this region from LRC runs. This field is no longer populated.
MAXSPARECAPACITY	NUMBER(12,2)		Maximum Spare Capacity (MW) evaluated for this region. Calculated for each region in turn. This value reflects Regional LOR reserve.
LORCONDITION	NUMBER(1,0)		The LOR Condition determined from the Maximum Spare Capacity value: 0 - no condition, 1 - LOR1 condition, 2 - LOR2 condition, 3 - LOR3 condition
AGGREGATECAPACITYAVAILABLE	NUMBER(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled units and Availability of all semi-scheduled units limited by MAXAVAIL in a given Region for a given PERIODID
AGGREGATESCHEDULEDLOAD	NUMBER(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.
LASTCHANGED	DATE		Date time this record was created.
AGGREGATEPASAAVAILABLE	NUMBER(12,0)		Sum of PASAAVAILABLE for all scheduled generating units and scheduled bidirectional units (Gen side) with a Recall_Period <= 24 hours plus the sum of Unconstrained Intermittent Generation Forecasts (UIGF) for all semi-scheduled generating units. For the RELIABILITY_LRC and OUTAGE_LRC runs, UIGF is the POE90 forecast. For the LOR Run, UIGF is the POE50 forecast. Note that the RELIABILITY_LRC and OUTAGE_LRC Run Types are discontinued from 31 July 2025. From March 2026, AGGREGATEPASAAVAILABLE changes from that with Recall_Period <= 24 to that achievable by the relevant INTERVAL_DATETIME if recalled at the start of the run.
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are RELIABILITY_LRC, OUTAGE_LRC and LOR. Note that the STPASA RELIABILITY_LRC and OUTAGE_LRC Run Types are discontinued from 31 July 2025, with only the LOR Run Type reported.
ENERGYREQDEMAND10	NUMBER(12,2)		Energy (GWh) required for this energy block based on the 10% probability of exceedance demand. Listed in the first interval of the

			energy block
CALCULATEDLOR1LEVEL	NUMBER(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	NUMBER(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency
MSRNETINTERCHANGEUNDERSC ARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the MSR assessment. This field is no longer populated.
LORNETINTERCHANGEUNDERSC ARCITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTGENERATIO N	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SEMISCHEDULEDCAPACITY	NUMBER(12,2)		Constrained generation forecast (MW) for semi-scheduled units for the region. For RELIABILITY_LRC run, semi-scheduled generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run, semi-scheduled generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
LOR_SEMISCHEDULEDCAPACITY	NUMBER(12,2)		Constrained generation forecast for semi-scheduled units for the region for the LOR run. Semi-scheduled generation is constrained by both System Normal and Outage constraints, and incorporate MAXAVAIL limits.
LCR	NUMBER(16,6)		Largest Credible Risk. MW value for highest credible contingency
LCR2	NUMBER(16,6)		Two Largest Credible Risks. MW value for highest two credible contingencies.
FUM	NUMBER(16,6)		Forecasting Uncertainty Measure. MW value of

			reserve calculated as defined in the Reserve Level Declaration Guidelines
SS_SOLAR_UIGF	Number(12,2)		Unconstrained Intermittent Generation Forecast for solar for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast
SS_WIND_UIGF	Number (12,2)		Unconstrained Intermittent Generation Forecast for wind for the region. For RELIABILITY_LRC and OUTAGE_LRC run this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run this is the POE50 forecast
SS_SOLAR_CAPACITY	Number (12,2)		Constrained generation forecast for solar for the region. For RELIABILITY_LRC run solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run solar generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_WIND_CAPACITY	Number (12,2)		Constrained generation forecast for wind for the region. For RELIABILITY_LRC run wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run wind generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_SOLAR_CLEARED	Number (12,2)		Constrained generation forecast (MW) for solar for the region. For RELIABILITY_LRC run, solar generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run, solar generation is constrained by both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.This value is the same as SS_SOLAR_CAPACITY.
SS_WIND_CLEARED	Number (12,2)		Constrained generation forecast (MW) for wind for the region. For RELIABILITY_LRC run, wind generation is constrained only by System Normal constraints. For OUTAGE_LRC run and LOR run, wind generation is constrained by

			both System Normal and Outage constraints. All three run types (RELIABILITY_LRC, OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. This value is the same as SS_WIND_CAPACITY.
WDR_AVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) availability in MW.
WDR_PASAAVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) PASA availability in MW.
WDR_CAPACITY	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) capacity in MW.

8 Package: PDPASA

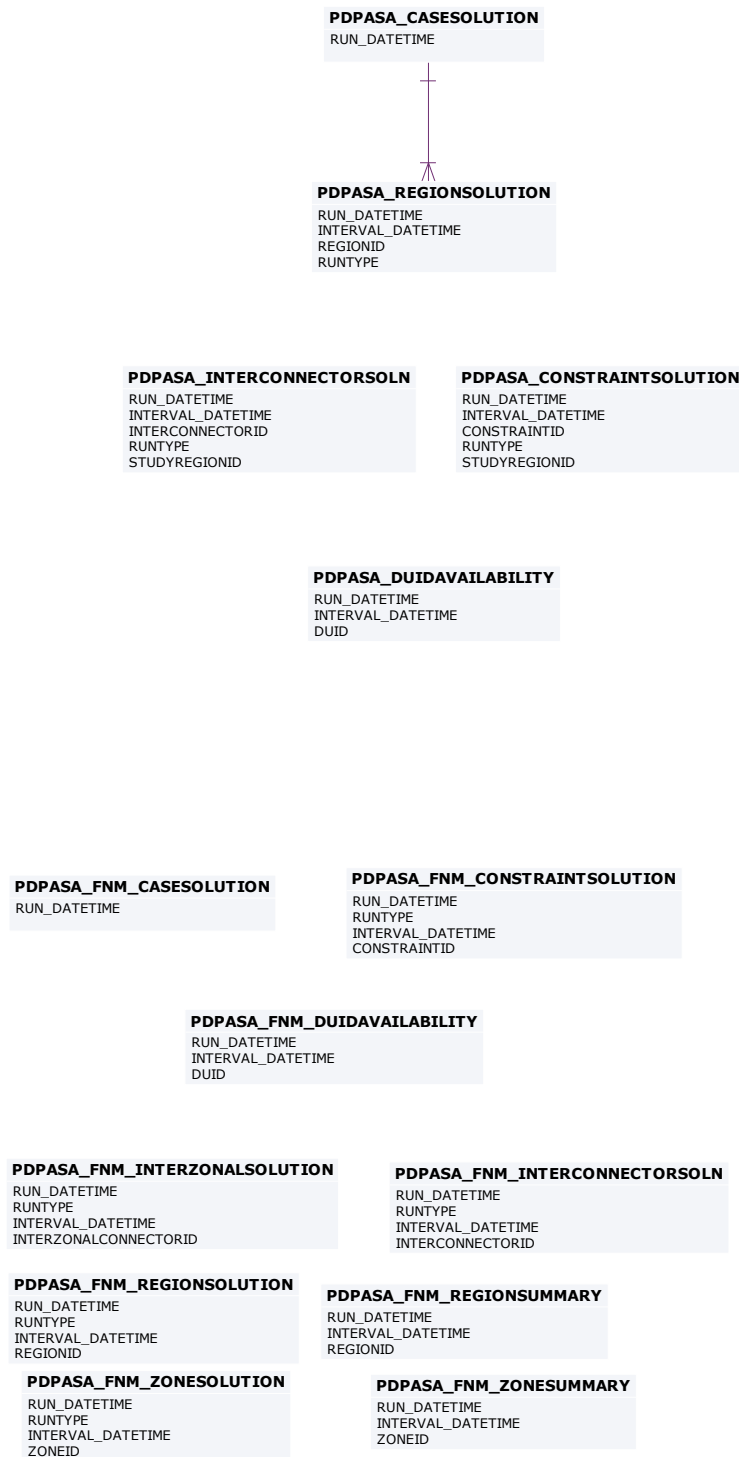
<i>Name</i>	PDPASA
<i>Comment</i>	<p>The PDPASA package provides a 30-minute solving process to the Market systems</p> <p>The current methodology for calculating reserves in the PreDispatch timeframe is determined in a post processing step using a heuristic calculation based the results and Interconnector limits from the PreDispatch run.</p> <p>The calculation is a reserve assessment based on the PASA solver similar to existing ST and MT PASA business processes</p> <p>The process reflects all intra-regional and inter-regional network constraints as an input to the process</p>

8.1 List of tables

Name	Comment
PDPASA_FNM_CASESOLUTION	PDPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.
PDPASA_FNM_CONSTRAINTSOLUTION	PDPASA_FNM_CONSTRAINTSOLUTION shows manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.
PDPASA_FNM_DUIDAVAILABILITY	PDPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and Recall Period for all scheduled resources
PDPASA_FNM_INTERCONNECTORSOLN	PDPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.
PDPASA_FNM_INTERZONALSOLUTION	PDPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.
PDPASA_FNM_REGIONSOLUTION	PDPASA_FNM_REGIONSOLUTION shows region demand, cleared values of resources, spare capacity, losses for each run type and intervals.
PDPASA_FNM_REGIONSUMMARY	PDPASA_FNM_REGIONSUMMARY shows the summary of PDPASA outcome for each region.
PDPASA_FNM_ZONESOLUTION	PDPASA_FNM_ZONESOLUTION shows zone demand, cleared values of resources, spare capacity, losses for each run type and intervals.

PDPASA_FNM_ZONESUMMARY	PDPASA_FNM_ZONESUMMARY shows the summary of PDPASA outcome for each zone.
PDPASA_REGIONSOLUTION	The PDPASA region solution data. Note that the OUTAGE_LRC Run Type is no longer reported from 31 July 2025.

8.2 Diagram: Entities: PD PASA



8.3 Table: PDPASA_FNM_CASESOLUTION

<i>Name</i>	PDPASA_FNM_CASESOLUTION
<i>Comment</i>	PDPASA_FNM_CASESOLUTION shows the case run details, including the available run types, LOR and Deficit condition for each case.

8.3.1 Notes

Name	Comment	Value
Visibility		Public

8.3.2 Primary Key Columns

Name
RUN_DATETIME

8.3.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
LORCONDITION	NUMBER(1,0)		LORCONDITION is only set if supply deficit exists in a Zone that contains the Regional Reference Node. LORCONDITION indicates the most severe condition for the case: LORCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0
DEFICITCONDITION	NUMBER(1,0)		DEFICITCONDITION is only set if supply deficit exists in a Zone that does NOT contain the Regional Reference Node. DEFICITCONDITION indicates the most severe condition for the case: DEFICITCONDITION = 3 if deficit in BASE run, else = 2 if deficit in RELIABILITY run, else = 1 if deficit in WARNING run, else 0

BASE_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
RELIABILITY_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
WARNING_RUN_AVAILABLE	VARCHAR2(10)		YES = Available, NO = Not Available
PASAVERSION	VARCHAR2(30)		Version of the PASA solver used to solve this case
LASTCHANGED	DATE		Date time this record was created

8.4 Table: PDPASA_FNM_CONSTRAINTSOLUTION

<i>Name</i>	PDPASA_FNM_CONSTRAINTSOLUTION
<i>Comment</i>	PDPASA_FNM_CONSTRAINTSOLUTION shows manual or thermal constraint (created by PASA), including marginal value, violation degree, LHS and RHS.

8.4.1 Notes

Name	Comment	Value
Visibility		Public

8.4.2 Primary Key Columns

Name
CONSTRAINTID
INTERVAL_DATETIME
RUN_DATETIME
RUNTYPE

8.4.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
CONSTRAINTID	VARCHAR2(100)	X	Constraint identifier, either manual constraint (synonymous with GenConID) or thermal constraint created by PASA with format 'BASE_<BranchName>' or '<ContingencyID>_<BranchName>'
MARGINALVALUE	NUMBER(20,5)		Constraint Marginal Value (\$/MW)
VIOLATIONDEGREE	NUMBER(15,5)		Constraint Violation Degree (MW)

LHS	NUMBER(15,5)		Constraint LHS (MW)
RHS	NUMBER(15,5)		Constraint RHS (MW)
LASTCHANGED	DATE		Date time this record was created

8.5 Table: PDPASA_FNM_DUIDAVAILABILITY

<i>Name</i>	PDPASA_FNM_DUIDAVAILABILITY
<i>Comment</i>	PDPASA_FNM_DUIDAVAILABILITY shows Available Capacity, PASA Availability and Recall Period for all scheduled resources

8.5.1 Notes

Name	Comment	Value
Visibility		Public

8.5.2 Primary Key Columns

Name
DUID
INTERVAL_DATETIME
RUN_DATETIME

8.5.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
DUID	VARCHAR2(20)	X	NEM Dispatchable Unit Identifier
BID_TRADINGDATE	DATE		Trading Date of the energy bid
BID_OFFERDATETIME	DATE		Date Time that the energy bid was received
GENERATION_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled generating unit, semi-scheduled generating unit, BDU (Gen side), WDR or MNSP (MW)
GENERATION_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (MW)

GENERATION_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled generating unit, BDU (Gen side), WDR or MNSP. Null for a semi-scheduled generating unit (Hours)
LOAD_MAX_AVAILABILITY	NUMBER(12,3)		Available Capacity for a scheduled load or BDU (Load side) (MW)
LOAD_PASA_AVAILABILITY	NUMBER(12,3)		PASA Availability for a scheduled load or BDU (Load side) (MW)
LOAD_RECALL_PERIOD	NUMBER(8,3)		Recall Period associated with the PASA Availability for a scheduled load or BDU (Load side) (Hours)
LASTCHANGED	DATE		Date time this record was created

8.6 Table: PDPASA_FNM_INTERCONNECTORSOLN

<i>Name</i>	PDPASA_FNM_INTERCONNECTORSOLN
<i>Comment</i>	PDPASA_FNM_INTERCONNECTORSOLN shows cleared Interconnector flow for the interval.

8.6.1 Notes

Name	Comment	Value
Visibility		Public

8.6.2 Primary Key Columns

Name

INTERCONNECTORID

INTERVAL_DATETIME

RUN_DATETIME

RUNTYPE

8.6.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector Identifier
CLEAREDFLOW	NUMBER(12,2)		Cleared Interconnector flow (MW)
LASTCHANGED	DATE		Date time this record was created

8.7 Table: PDPASA_FNM_INTERZONALSOLUTION

<i>Name</i>	PDPASA_FNM_INTERZONALSOLUTION
<i>Comment</i>	PDPASA_FNM_INTERZONALSOLUTION shows cleared inter zonal flow for the interval and run type.

8.7.1 Notes

Name	Comment	Value
Visibility		Public

8.7.2 Primary Key Columns

Name

INTERVAL_DATETIME

INTERZONALCONNECTORID

RUN_DATETIME

RUNTYPE

8.7.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
INTERZONALCONNECTORID	VARCHAR2(50)	X	InterzonalConnector Identifier
FROMZONEID	VARCHAR2(30)		FromZoneID of the InterZonalConnectorID
TOZONEID	VARCHAR2(30)		ToZoneID of the InterZonalConnectorID
CLEAREDFLOW	NUMBER(12,2)		Cleared Interzonal flow (MW)

LASTCHANGED	DATE		Date time this record was created
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8.8 Table: PDPASA_FNM_REGIONSOLUTION

<i>Name</i>	PDPASA_FNM_REGIONSOLUTION
<i>Comment</i>	PDPASA_FNM_REGIONSOLUTION shows region demand, cleared values of resources, spare capacity, losses for each run type and intervals.

8.8.1 Notes

Name	Comment	Value
Visibility		Public

8.8.2 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

RUNTYPE

8.8.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region Identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION = 3 if deficit in BASE run LORCONDITION = 2 if deficit in RELIABILITY

			run LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION = 3 if deficit in BASE run DEFICITCONDITION = 2 if deficit in RELIABILITY run DEFICITCONDITION = 1 if deficit in WARNING run
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)

SPARECAPACITY	NUMBER(12,2)		Spare Generation Capacity = $\max(0, \text{Available Generation} - [\text{Cleared Generation} - \text{Cleared Net Interchange}])$ (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit (MW) across at all loads in the Region = $\text{Max}(0, \text{Initial Demand} - \text{Cleared Demand})$ where $\text{Cleared Demand} = (\text{Cleared Generation} - \text{Cleared Losses} - \text{Cleared Net Interchange})$. Supply Deficit = Supply Deficit_RRN + Supply Deficit_NonRRN
SUPPLYDEFICIT_RRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone that contains the Regional Reference Node (MW)
SUPPLYDEFICIT_NONRRN	NUMBER(12,2)		Supply Deficit across all loads in the Zone(s) that do not contain the Regional Reference Node (MW)
LASTCHANGED	DATE		Date time this record was created

8.9 Table: PDPASA_FNM_REGIONSUMMARY

<i>Name</i>	PDPASA_FNM_REGIONSUMMARY
<i>Comment</i>	PDPASA_FNM_REGIONSUMMARY shows the summary of PDPASA outcome for each region.

8.9.1 Notes

Name	Comment	Value
Visibility		Public

8.9.2 Primary Key Columns

Name

INTERVAL_DATETIME

REGIONID

RUN_DATETIME

8.9.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(20)	X	Region identifier
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists in the Zone for this Region that contains its Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY run; else

			LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		<p>Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain its Regional Reference Node DEFICITCONDITION indicates the most severe condition:</p> <p>DEFICITCONDITION = 3 if deficit in BASE run; else</p> <p>DEFICITCONDITION = 2 if deficit in RELIABILITY run; else</p> <p>DEFICITCONDITION = 1 if deficit in WARNING run</p>
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHEDED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHEDED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASA_AVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)
SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation

			Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

8.10 Table: PDPASA_FNM_ZONESOLUTION

<i>Name</i>	PDPASA_FNM_ZONESOLUTION
<i>Comment</i>	PDPASA_FNM_ZONESOLUTION shows zone demand, cleared values of resources, spare capacity, losses for each run type and intervals.

8.10.1 Notes

Name	Comment	Value
Visibility		Public

8.10.2 Primary Key Columns

Name
 INTERVAL_DATETIME
 RUN_DATETIME
 RUNTYPE
 ZONEID

8.10.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
RUNTYPE	VARCHAR2(20)	X	Run Type (BASE, RELIABILITY, WARNING)
INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node

			<p>LORCONDITION = 3 if deficit in BASE run</p> <p>LORCONDITION = 2 if deficit in RELIABILITY run</p> <p>LORCONDITION = 1 if deficit in WARNING run</p>
DEFICITCONDITION	NUMBER(1,0)		<p>Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit exists and this Zone does not contain the Regional Reference Node</p> <p>DEFICITCONDITION = 3 if deficit in BASE run</p> <p>DEFICITCONDITION = 2 if deficit in RELIABILITY run</p> <p>DEFICITCONDITION = 1 if deficit in WARNING run</p>
INITIALDEMAND	NUMBER(12,2)		Most probable Demand Forecast adjusted by Demand Uncertainty Margin (MW)
DEMAND_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (increase) to most probable Demand Forecast (MW)
SCHED_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to Scheduled Generation Bid Max Avail (MW)
VRE_GEN_UNCERTAINTY_MARGIN	NUMBER(12,2)		Aggregate Uncertainty Margin adjustment (decrease) to most probable VRE Forecast (MW)
SCHED_GEN_AUX_LOAD	NUMBER(12,2)		Aggregate Auxiliary Load adjustment to uncertainty-adjusted Bid MaxAvail of all scheduled generating units (MW)
ENERGYUNCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from non energy-constrained resources - that is, excluding bidirectional units and generating units subject to daily energy limits (MW)
ENERGYCONSTRAINED_CLEARED	NUMBER(12,2)		Cleared Generation from energy-constrained resources - that is, from bidirectional units and generating units subject to daily energy limits (MW)
BDU_CLEARED	NUMBER(12,2)		Cleared Generation (positive) or Consumption (negative) from bidirectional units (MW)
SS_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled generating units (MW)
SS_SOLAR_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled solar

			generating units (MW)
SS_WIND_CLEARED	NUMBER(12,2)		Cleared Generation from semi-scheduled wind generating units (MW)
SPARECAPACITY	NUMBER(12,2)		Spare generation capacity = $\max(0, \text{Available Generation} - [\text{Cleared Generation} - \text{Cleared Net Interchange}])$ (MW)
CLEAREDSUPPLY	NUMBER(12,2)		Cleared Generation (MW)
CLEAREDLOSSES	NUMBER(12,2)		Cleared Grid Losses (MW)
CLEAREDNETINTERCHANGE	NUMBER(12,2)		Cleared Net Export (positive) or Net Import (negative) (MW)
CLEAREDDEMAND	NUMBER(12,2)		Cleared Demand (MW)
SUPPLYDEFICIT	NUMBER(12,2)		Supply Deficit at loads = $\max(0, \text{Initial Demand} - \text{Cleared Demand})$ where $\text{Cleared Demand} = (\text{Cleared Generation} - \text{Cleared Losses} - \text{Cleared Net Interchange})$ (MW)
LASTCHANGED	DATE		Date time this record was created

8.11 Table: PDPASA_FNM_ZONESUMMARY

<i>Name</i>	PDPASA_FNM_ZONESUMMARY
<i>Comment</i>	PDPASA_FNM_ZONESUMMARY shows the summary of PDPASA outcome for each zone.

8.11.1 Notes

Name	Comment	Value
Visibility		Public

8.11.2 Primary Key Columns

Name
INTERVAL_DATETIME
RUN_DATETIME
ZONEID

8.11.3 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run
INTERVAL_DATETIME	DATE	X	End date time of the interval
ZONEID	VARCHAR2(30)	X	Zone identifier
REGIONID	VARCHAR2(20)		Region identifier of the Region containing this Zone
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LORCONDITION) > 0 if a supply deficit exists and this Zone contains the Regional Reference Node LORCONDITION indicates the most severe condition: LORCONDITION = 3 if deficit in BASE run; else LORCONDITION = 2 if deficit in RELIABILITY

			run; else LORCONDITION = 1 if deficit in WARNING run
DEFICITCONDITION	NUMBER(1,0)		Deficit Condition (DEFICITCONDITION) > 0 if a supply deficit only exists in a Zone for this Region that does not contain the Regional Reference Node. DEFICITCONDITION indicates the most severe condition: DEFICITCONDITION = 3 if deficit in BASE run; else DEFICITCONDITION = 2 if deficit in RELIABILITY run; else DEFICITCONDITION = 1 if deficit in WARNING run
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast (MW)
DEMAND50_UNSCHEDED_GEN	NUMBER(12,2)		50% Probability of Exceedance demand forecast plus Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled generating units, scheduled bidirectional units (Gen side) and semi-scheduled generating units, with latter capped at UIGF (MW)
UNSCHEDED_GEN_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Generation Forecast of all non-scheduled and exempt generation (MW)
SCHED_SS_GEN_PASA_AVAIL	NUMBER(12,2)		Aggregate Bid PASAAvailability of all scheduled generating units and scheduled bidirectional units (Gen side) with a Bid Recall Period less than (Interval_DateTime minus Run_DateTime) plus UIGF for all semi-scheduled generating units (MW)
SCHED_LOAD_CAPACITYAVAIL	NUMBER(12,2)		Aggregate Bid MaxAvail of all scheduled loads (MW)
SS_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all semi-scheduled generating units (MW)
SS_SOLAR_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all solar semi-scheduled generating units (MW)

SS_WIND_UIGF	NUMBER(12,2)		Aggregate 50% Probability of Exceedance Unconstrained Intermittent Generation Forecast (UIGF) of all wind semi-scheduled generating units (MW)
LASTCHANGED	DATE		Date time this record was created

8.12 Table: PDPASA_REGIONSOLUTION

<i>Name</i>	PDPASA_REGIONSOLUTION
<i>Comment</i>	The PDPASA region solution data. Note that the OUTAGE_LRC Run Type is no longer reported from 31 July 2025.

8.12.1 Description

PDPASA_REGIONSOLUTION is public so is available to all participants.

Source

PDPASA_REGIONSOLUTION is updated each PDPASA run (i.e. half-hourly).

Volume

Rows per day: 32000

Notes

LRC Determination

SURPLUSRESERVE is the surplus reserve in a region based on meeting the demand plus the reserve requirement in all regions simultaneously. Note that any surplus above the network restrictions and system reserve requirements is reported in the region it is generated, thus a surplus of zero can mean that a region is importing to meet a requirement or that it has exported all surplus to meet an adjacent region's requirement.

The PASA processes also calculate a regionally optimised surplus called the Maximum LRC Surplus (MAXSURPLUSRESERVE) being a figure on how much generation could be brought to this region subject to meeting requirements in other regions.

LOR Determination

MAXSPARECAPACITY is a regionally optimised figure representing the surplus generation able to be brought to a region subject to meeting the demand in all other regions.

Participants are directed to the first half hour of the Predispatch PASA (PDPASA) reports as NEMMCO's latest reserve determination for a given half hour.

8.12.2 Notes

Name	Comment	Value
Visibility		Public

8.12.3 Primary Key Columns

Name
INTERVAL_DATETIME

REGIONID

RUN_DATETIME

RUNTYPE

8.12.4 Index Columns

Name

LASTCHANGED

8.12.5 Content

Name	Data Type	Mandatory	Comment
RUN_DATETIME	DATE	X	Unique Timestamp Identifier for this run, identified by the first half hour ended interval of the run.
INTERVAL_DATETIME	DATE	X	End date time of the interval
REGIONID	VARCHAR2(10)	X	Region identifier
DEMAND10	NUMBER(12,2)		10% Probability of Exceedance demand forecast
DEMAND50	NUMBER(12,2)		50% Probability of Exceedance demand forecast
DEMAND90	NUMBER(12,2)		90% Probability of Exceedance demand forecast
RESERVEREQ	NUMBER(12,2)		Reserve Requirement (MW). This field is not populated after 30 July 2025.
CAPACITYREQ	NUMBER(12,2)		Demand + Reserve requirements (MW). This field is not populated after 30 July 2025.
ENERGYREQDEMAND50	NUMBER(12,2)		Sum of: (Region Demand50)/Period (sum by trading day, entered in first period of trading day, GWh).
UNCONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Non-Energy Constrained plant subjected to restrictions due to network constraints.
CONSTRAINEDCAPACITY	NUMBER(12,0)		Aggregate generation + WDR capacity from Energy Constrained plant subjected to restrictions due to network constraints.
NETINTERCHANGEUNDERSCAPACITY	NUMBER(12,2)		Net export (MW) out of this region in the LOR evaluation. Export if > 0, Import if < 0. This value is the same as LORNETINTERCHANGEUNDERSCAPACITY.
SURPLUSCAPACITY	NUMBER(12,2)		Regional surplus capacity (MW), +/- values indicate surplus/deficit capacity respectively. This value reflects Regional LOR reserve.
SURPLUSRESERVE	NUMBER(12,2)		Regional surplus reserve (MW). This value also reflects Regional LOR reserve. Note: For LOR runs, RESERVEREQ requirement input is not used.

RESERVECONDITION	NUMBER(1,0)		Regional reserve condition from LRC run. This field is not populated after 30 July 2025.
MAXSURPLUSRESERVE	NUMBER(12,2)		Maximum Surplus Reserve (MW) evaluated for this region from LRC runs. This field is no longer populated.
MAXSPARECAPACITY	NUMBER(12,2)		Maximum Spare Capacity (MW) evaluated for this region. Calculated for each region in turn. This value reflects Regional LOR reserve.
LORCONDITION	NUMBER(1,0)		Lack of Reserve Condition (LOR) flag for this region and interval (3 = LOR3, 2 = LOR2, 1 = LOR1, 0 = No LOR)
AGGREGATECAPACITYAVAILABLE	NUMBER(12,2)		Sum of MAXAVAIL quantities offered by all Scheduled units and Availability of all semi-scheduled units limited by MAXAVAIL in a given Region for a given PERIODID
AGGREGATESCHEDULEDLOAD	NUMBER(12,2)		Sum of MAXAVAIL quantities bid by of all Scheduled Loads in a given Region for a given PERIODID.
LASTCHANGED	DATE		Date time this record was created.
AGGREGATEPASAAVAILABLE	NUMBER(12,0)		Sum of PASAAVAILABLE for all scheduled generating units and scheduled bidirectional units (Gen side) with a Recall_Period <= 24 hours plus the sum of Unconstrained Intermittent Generation Forecasts (UIGF) for all semi-scheduled generating units. For the OUTAGE_LRC run, UIGF is the POE90 forecast. For the LOR Run, UIGF is the POE50 forecast. Note that the OUTAGE_LRC Run Type is discontinued from 31 July 2025. From March 2026, AGGREGATEPASAAVAILABLE changes from that with Recall_Period <= 24 to that achievable by the relevant INTERVAL_DATETIME if recalled at the start of the run.
RUNTYPE	VARCHAR2(20)	X	Type of run. Values are OUTAGE_LRC and LOR. Note that the PDPASA OUTAGE_LRC Run Type is discontinued from 31 July 2025, with only the LOR Run Type reported.
ENERGYREQDEMAND10	NUMBER(12,2)		Energy (GWh) required for this energy block based on the 10% probability of exceedance demand. Listed in the first interval of the energy block

CALCULATEDLOR1LEVEL	NUMBER(16,6)		Region Reserve Level for LOR1 used. Can be static value or calculated value if an interconnector is a credible contingency
CALCULATEDLOR2LEVEL	NUMBER(16,6)		Region Reserve Level for LOR2 used. Can be static value or calculated value if an interconnector is a credible contingency
MSRNETINTERCHANGEUNDERSCAPACITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the MSR assessment. This field is no longer populated.
LORNETINTERCHANGEUNDERSCAPACITY	NUMBER(12,2)		Net interconnector flow from the region for this interval from the LOR assessment
TOTALINTERMITTENTGENERATION	NUMBER(15,5)		Allowance made for non-scheduled generation in the demand forecast (MW).
DEMAND_AND_NONSCHEDGEN	NUMBER(15,5)		Sum of Cleared Scheduled generation, imported generation (at the region boundary) and allowances made for non-scheduled generation (MW).
UIGF	NUMBER(12,2)		Regional aggregated Unconstrained Intermittent Generation Forecast of Semi-scheduled generation (MW).
SemiScheduledCapacity	NUMBER(12,2)		Constrained generation forecast (MW) for semi-scheduled units for the region. For OUTAGE_LRC run and LOR run, semi-scheduled generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
LOR_SemiScheduledCapacity	NUMBER(12,2)		Constrained generation forecast for semi-scheduled units for the region for the LOR run. Semi-scheduled generation is constrained by both System Normal and Outage constraints, and incorporate MAXAVAIL limits.
LCR	NUMBER(16,6)		Largest Credible Risk. MW value for highest credible contingency
LCR2	NUMBER(16,6)		Two Largest Credible Risks. MW value for highest two credible contingencies.
FUM	NUMBER(16,6)		Forecasting Uncertainty Measure. MW value of reserve calculated as defined in the Reserve Level Declaration Guidelines
SS_SOLAR_UIGF	Number(12,2)		Unconstrained Intermittent Generation Forecast for solar for the region. For

			OUTAGE_LRC run, this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run, this is the POE50 forecast.
SS_WIND_UIGF	Number (12,2)		Unconstrained Intermittent Generation Forecast for wind for the region. For OUTAGE_LRC run, this is the POE90 forecast (determined by LRCUIGFOption in CaseSolution). For LOR run, this is the POE50 forecast.
SS_SOLAR_CAPACITY	Number (12,2)		Constrained generation forecast for solar for the region. For OUTAGE_LRC run and LOR run, solar generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_WIND_CAPACITY	Number (12,2)		Constrained generation forecast for wind for the region. For OUTAGE_LRC run and LOR run, wind generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits.
SS_SOLAR_CLEARED	Number (12,2)		Constrained generation forecast (MW) for solar for the region. For OUTAGE_LRC run and LOR run, solar generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. This value is the same as SS_SOLAR_CAPACITY.
SS_WIND_CLEARED	Number (12,2)		Constrained generation forecast (MW) for wind for the region. For OUTAGE_LRC run and LOR run, wind generation is constrained by both System Normal and Outage constraints. All run types (OUTAGE_LRC, LOR) incorporate MAXAVAIL limits. This value is the same as SS_WIND_CAPACITY.
WDR_AVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) availability in MW.
WDR_PASAAVAILABLE	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) PASA availability in MW.
WDR_CAPACITY	NUMBER(12,2)		Regional aggregated Wholesale Demand Response (WDR) capacity in MW.

9 Package: SYSTEM_SECURITY_MANAGEMENT

<i>Name</i>	SYSTEM_SECURITY_MANAGEMENT
<i>Comment</i>	Package for ISF (Improving Security Frameworks) for Electricity Power System Security procurement (not related to IT security)

9.1 List of tables

Name	Comment
SSM_INDICATIVE_ROLL_DUID	Indicative rolling DUID schedule provides notice of system security status to service providers/TNSP. The intent is to provide forewarning of possible enablement instruction that may be required
SSM_INDICATIVE_ROLL_REGION	Indicative rolling Region schedule provides notice of system security status to service providers/TNSP. The intent is to provide the security strength status of a region

9.2 Diagram: Entities: SSM

SSM_ENABLEMENT_PERIOD

INSTRUCTION_ID
DUID
ENABLEMENT_START_INTERVAL

SSM_SCHEDULED_AVAILABILITY

CONTRACT_ID
DUID
AVAILABLE_START_INTERVAL

SSM_INSTRUCTION

INSTRUCTION_ID
VERSION_DATETIME

SSM_SCHEDULE

INSTRUCTION_ID

SSM_CONTRACT_UNIT_AVAIL

CONTRACT_ID
DUID
INTERVAL_DATETIME
VERSION_DATETIME

SSM_ENABLEMENT_COSTS

END_TRADINGDATE
ENABLEMENT_REASON

SSM_INDICATIVE_ROLL_DUID

VERSION_DATETIME
INTERVAL_DATETIME
DUID
CONTRACT_ID

SSM_INDICATIVE_ROLL_REGION

VERSION_DATETIME
INTERVAL_DATETIME
REGIONID

9.3 Table: SSM_INDICATIVE_ROLL_DUID

<i>Name</i>	SSM_INDICATIVE_ROLL_DUID
<i>Comment</i>	Indicative rolling DUID schedule provides notice of system security status to service providers/TNSP. The intent is to provide forewarning of possible enablement instruction that may be required

9.3.1 Notes

Name	Comment	Value
Visibility		Private

9.3.2 Primary Key Columns

Name
CONTRACT_ID
DUID
INTERVAL_DATETIME
VERSION_DATETIME

9.3.3 Content

Name	Data Type	Mandatory	Comment
VERSION_DATETIME	DATE	X	Version date time
INTERVAL_DATETIME	DATE	X	Interval date time
DUID	VARCHAR2(20)	X	Dispatchable Unit Identifier
CONTRACT_ID	VARCHAR2(20)	X	Unique Contract Identifier used to create enablement.
DUID_PARTICIPANTID	VARCHAR2(20)		Primary recipient (SSM Service Provider) of enablement instruction.
INSTRUCTION_ID	VARCHAR2(20)		Unique Instruction Identifier. Null where not applicable.

DUID_STATUS	VARCHAR2(40)		Scheduled pending, Scheduled approved, Instruction issued, Fulfilment, Available, Offline, Online, Outage
MIN_DISPATCH_MW	NUMBER(18,8)		Minimum Dispatch Target required for DUID to enable the contract.
EQUIPMENT_TYPE	VARCHAR2(40)		Dispatchable Unit resource (for example, GENERATOR, LOAD, BIDIRECTIONAL, SYNCHRONOUS CONDENSER).
LASTCHANGED	DATE		Last changed date

9.4 Table: SSM_INDICATIVE_ROLL_REGION

<i>Name</i>	SSM_INDICATIVE_ROLL_REGION
<i>Comment</i>	Indicative rolling Region schedule provides notice of system security status to service providers/TNSP. The intent is to provide the security strength status of a region

9.4.1 Notes

Name	Comment	Value
Visibility		Public

9.4.2 Primary Key Columns

Name
INTERVAL_DATETIME
REGIONID
VERSION_DATETIME

9.4.3 Content

Name	Data Type	Mandatory	Comment
VERSION_DATETIME	DATE	X	Version date time
INTERVAL_DATETIME	DATE	X	Interval date time
REGIONID	VARCHAR2(20)	X	Region
REGION_STATUS	VARCHAR2(40)		Secure, Resolved, Not Secure
DUID_COUNT_FIRM	NUMBER(4,0)		Sum of firm units enabled for the region with confirmed enablement instruction(s) sent
DUID_COUNT_SPECULATIVE	NUMBER(4,0)		Sum of proposed units enabled for the region where enablement instruction(s) not sent
LASTCHANGED	DATE		Last changed date